

Fig. 1

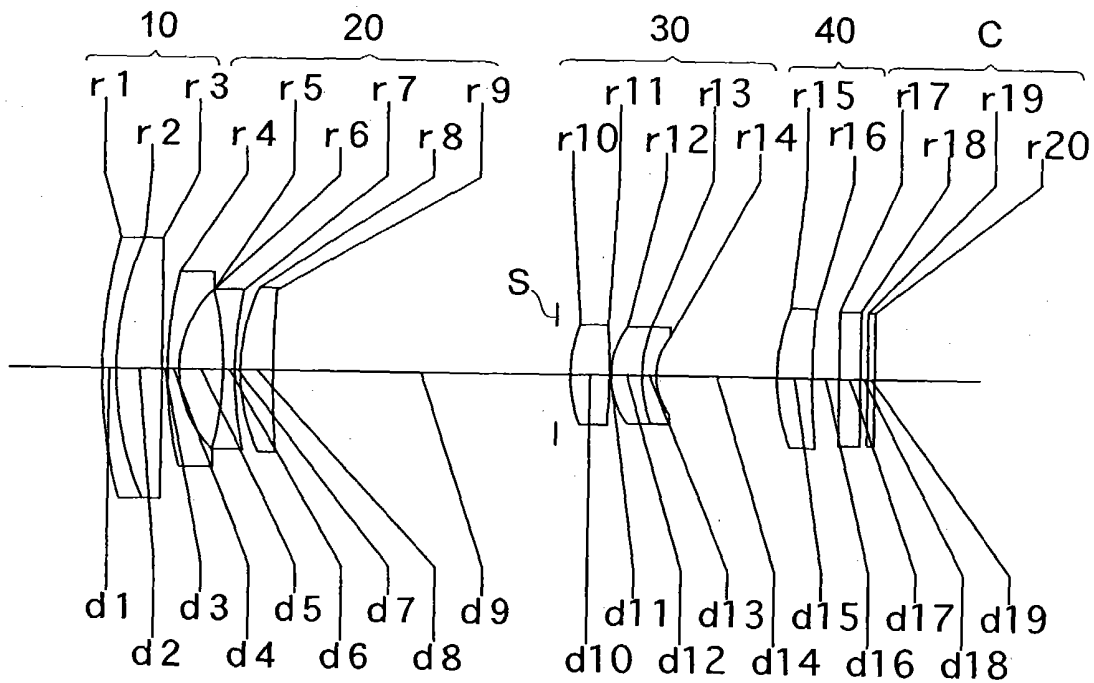


Fig. 2A

$F_{No.}=1:2.8$

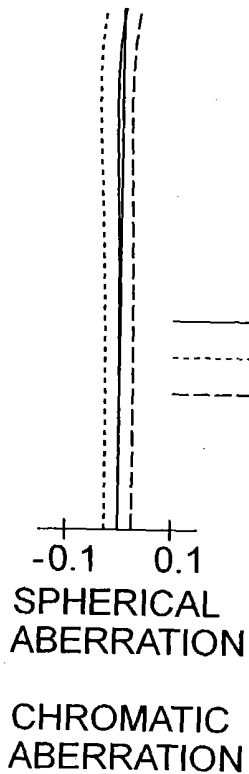


Fig. 2B

$W=32.3^\circ$

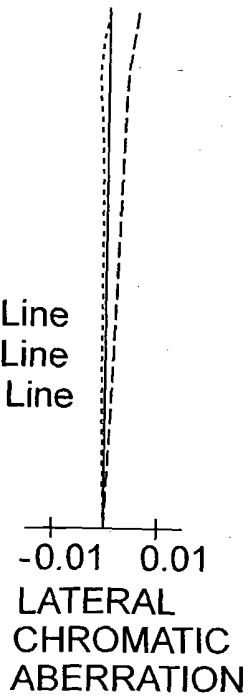


Fig. 2C

$W=32.3^\circ$

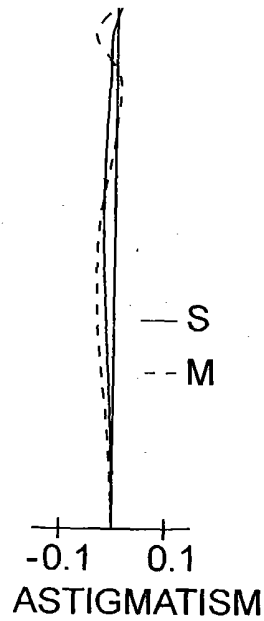


Fig. 2D

$W=32.3^\circ$

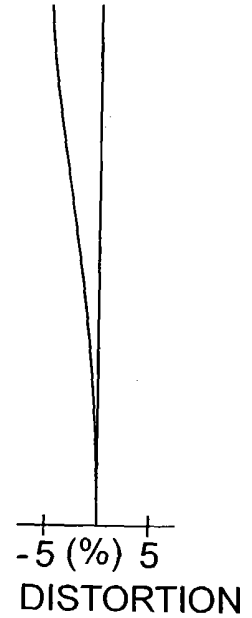


Fig. 3A

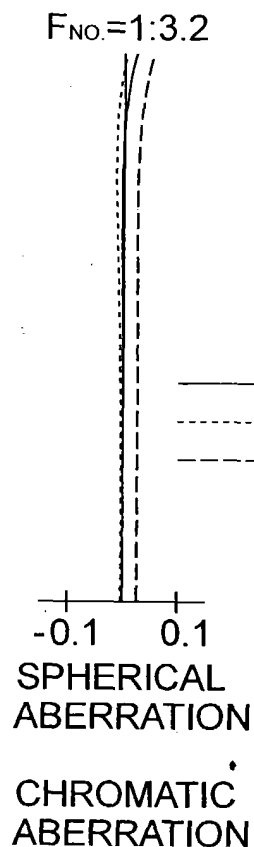


Fig. 3B

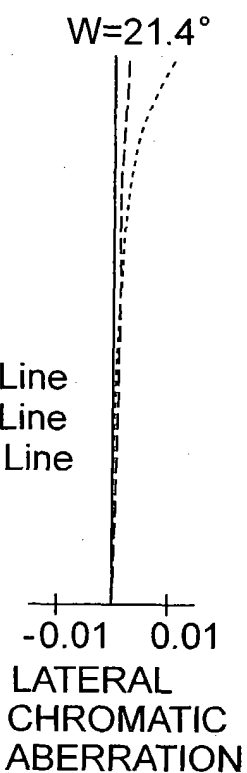


Fig. 3C

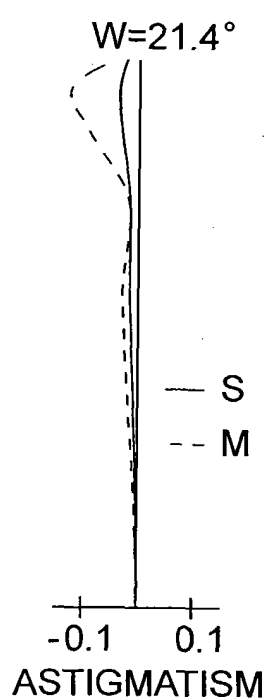


Fig. 3D

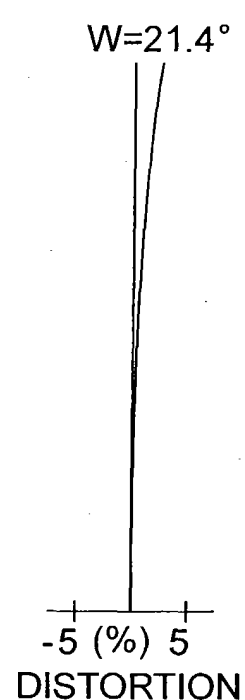


Fig. 4A

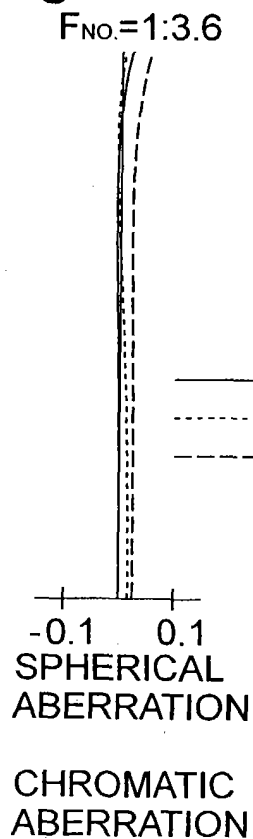


Fig. 4B

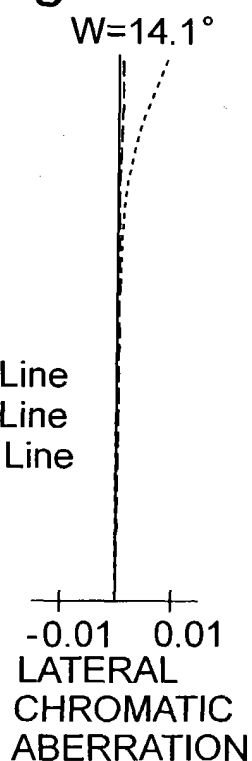


Fig. 4C

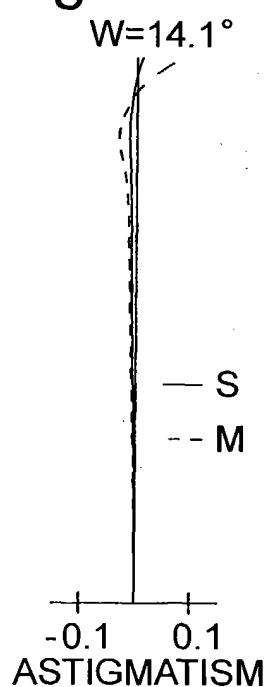


Fig. 4D

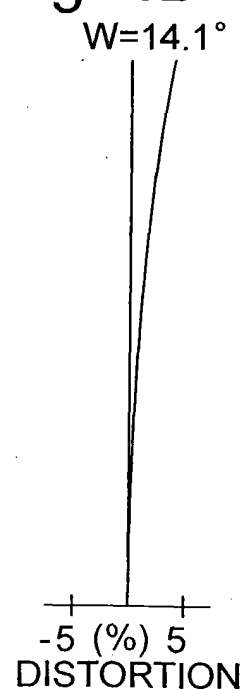
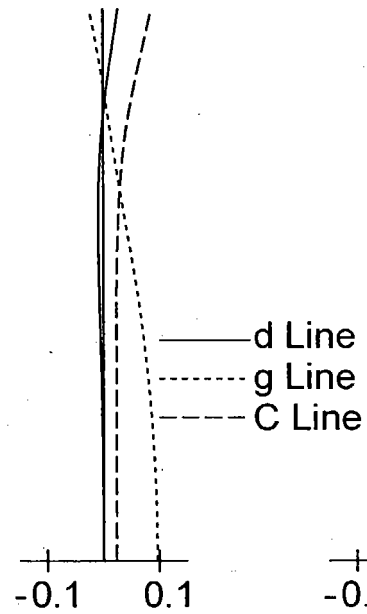


Fig. 5A

$F_{NO.}=1:4.7$

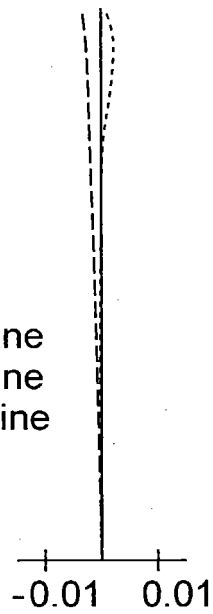


SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 5B

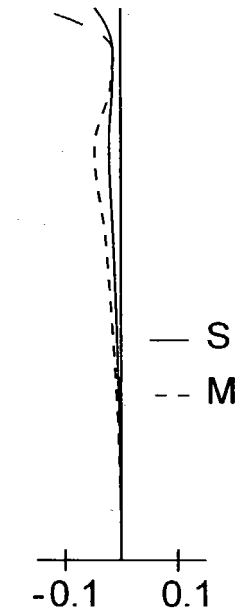
$W=6.7^\circ$



LATERAL
CHROMATIC
ABERRATION

Fig. 5C

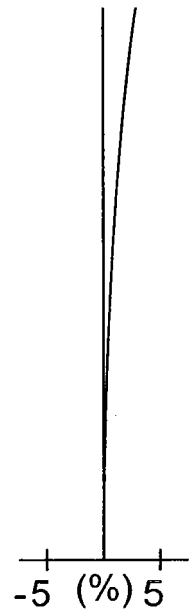
$W=6.7^\circ$



ASTIGMATISM

Fig. 5D

$W=6.7^\circ$



DISTORTION

Fig. 6

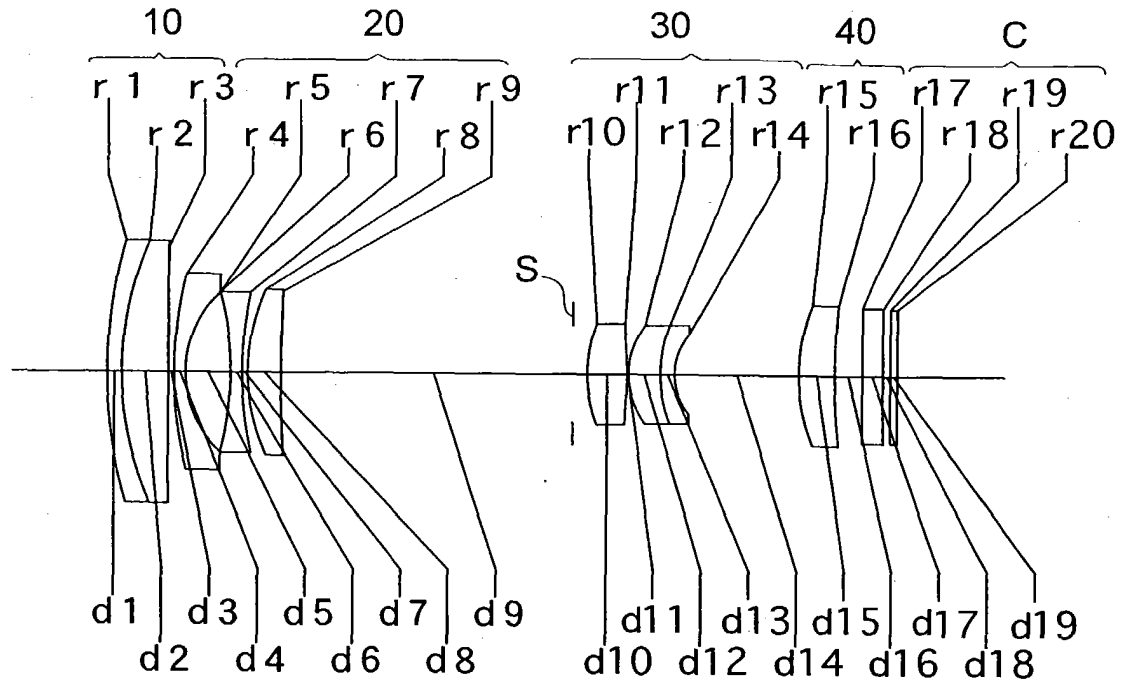
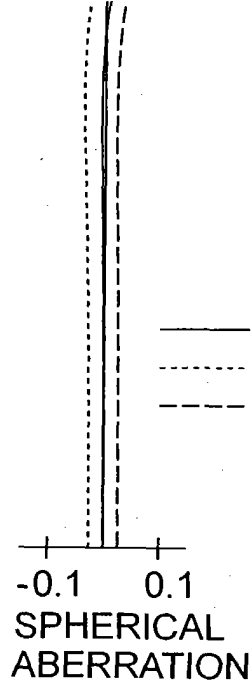


Fig. 7A

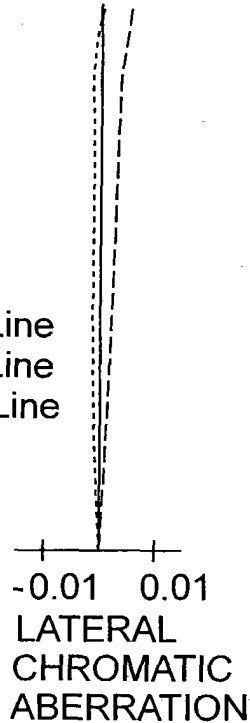
$F_{No.}=1:2.8$



CHROMATIC
ABERRATION

Fig. 7B

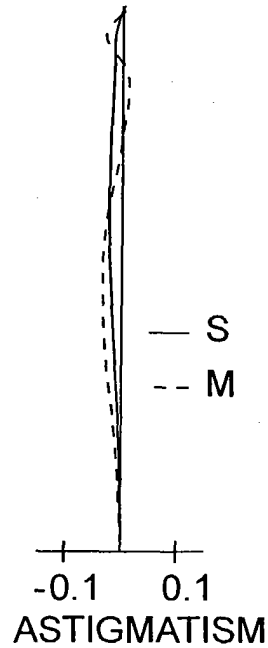
$W=32.3$



CHROMATIC
ABERRATION

Fig. 7C

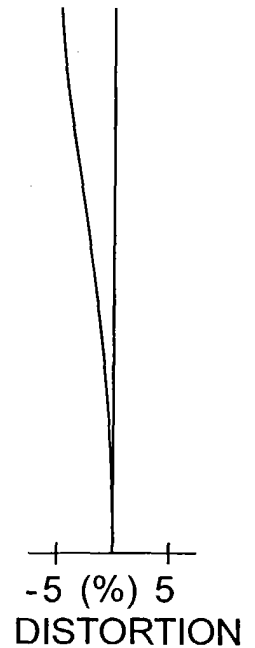
$W=32.3$



ASTIGMATISM

Fig. 7D

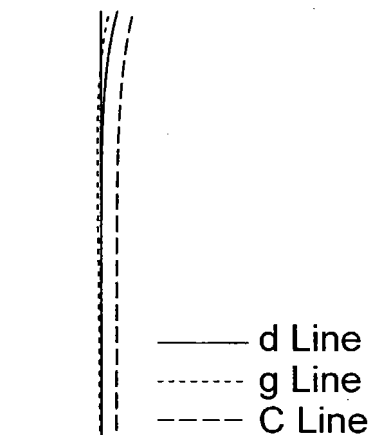
$W=32.3$



DISTORTION

Fig. 8A

$F_{NO}=1:3.3$

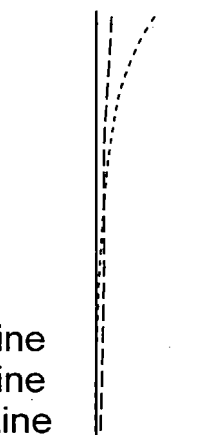


-0.1 0.1
SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 8B

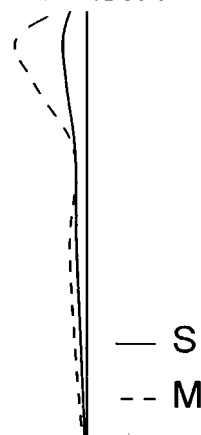
$W=21.4^\circ$



-0.01 0.01
LATERAL
CHROMATIC
ABERRATION

Fig. 8C

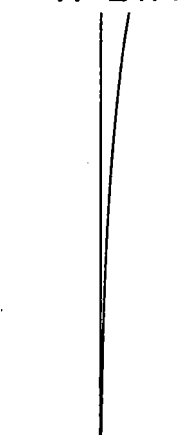
$W=21.4^\circ$



-0.1 0.1
ASTIGMATISM

Fig. 8D

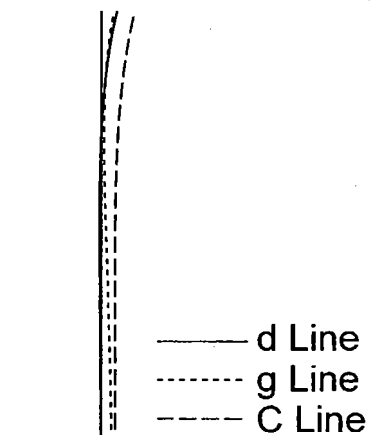
$W=21.4^\circ$



-5 (%) 5
DISTORTION

Fig. 9A

$F_{NO}=1:3.6$

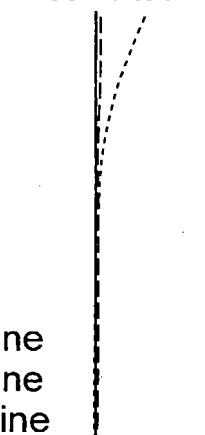


-0.1 0.1
SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 9B

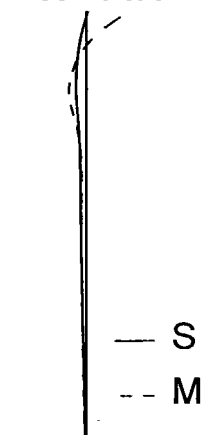
$W=14.1^\circ$



-0.01 0.01
LATERAL
CHROMATIC
ABERRATION

Fig. 9C

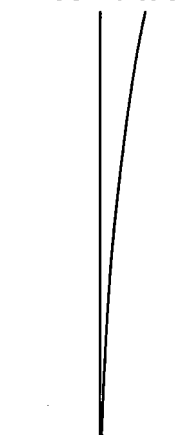
$W=14.1^\circ$



-0.1 0.1
ASTIGMATISM

Fig. 9D

$W=14.1^\circ$



-5 (%) 5
DISTORTION

Fig. 10A

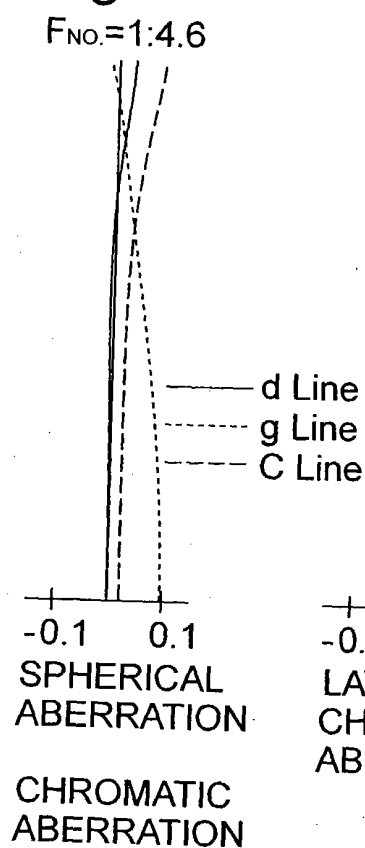


Fig. 10B

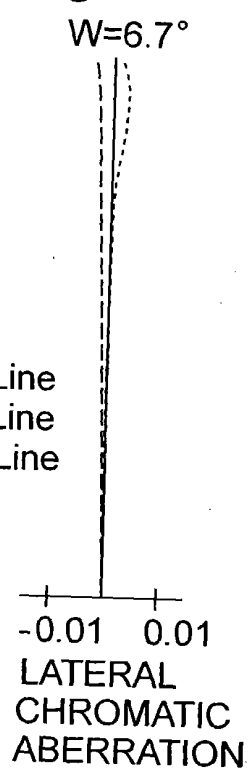


Fig. 10C

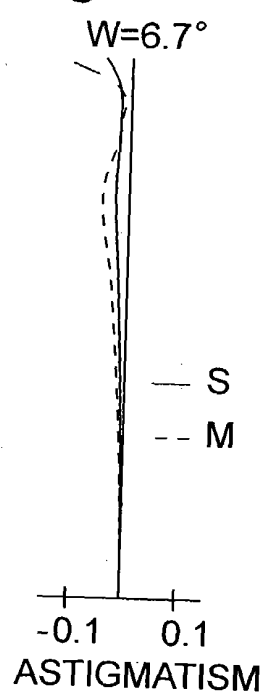


Fig. 10D

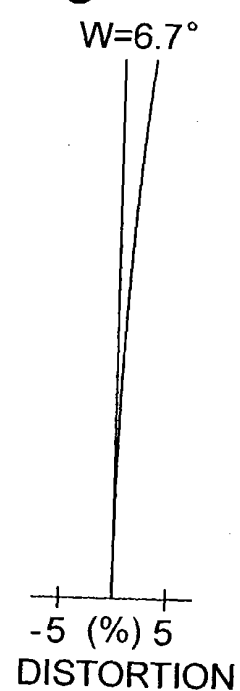


Fig. 11

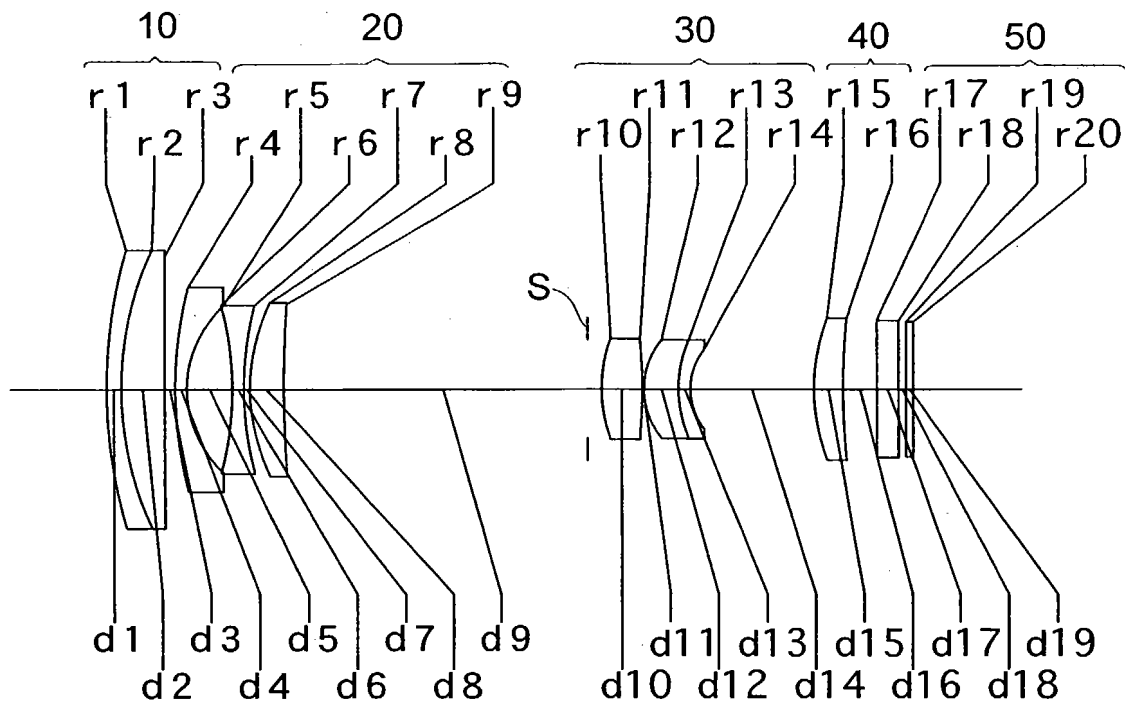


Fig. 12A Fig. 12B Fig. 12C Fig. 12D

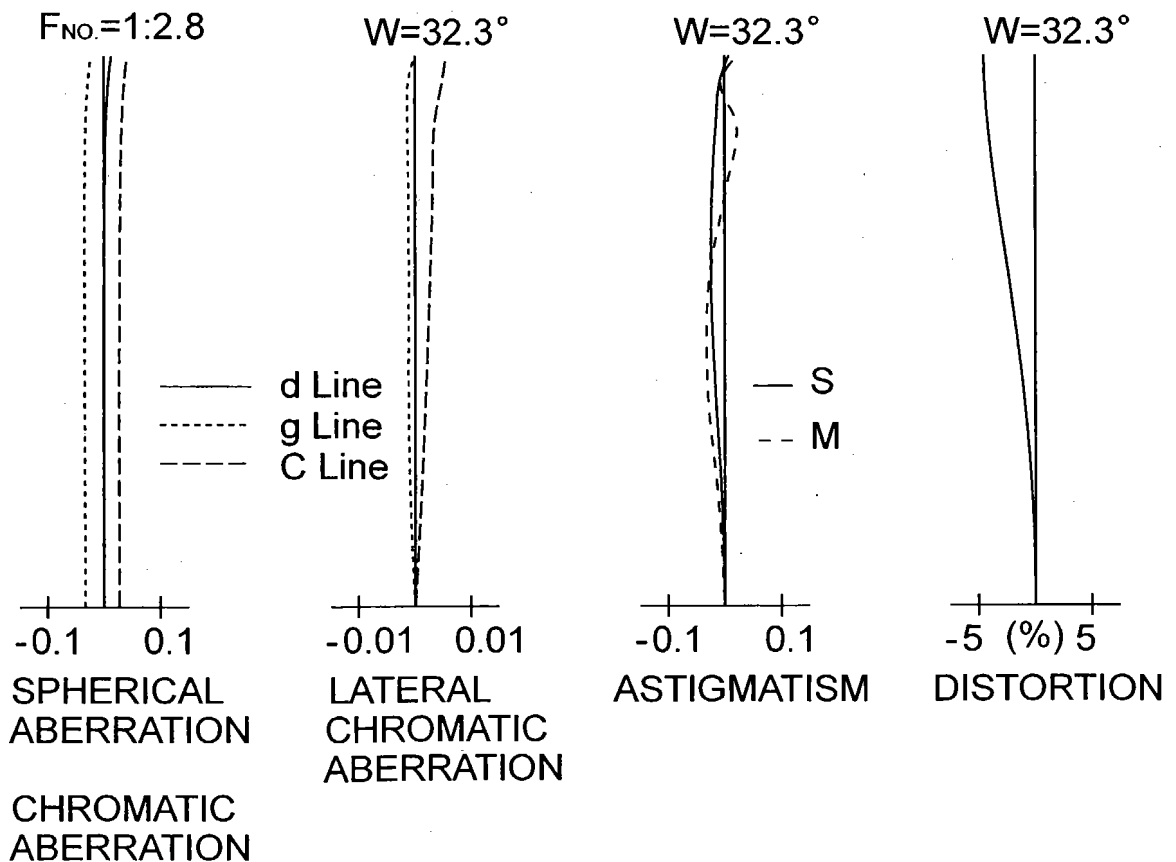
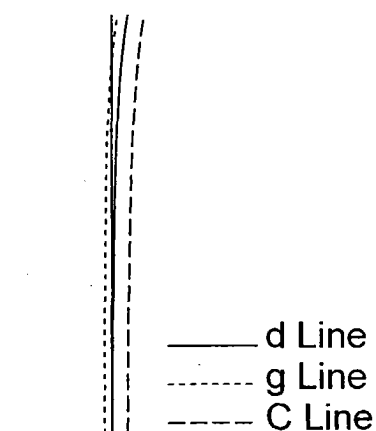


Fig. 13A

$F_{NO.}=1:3.2$

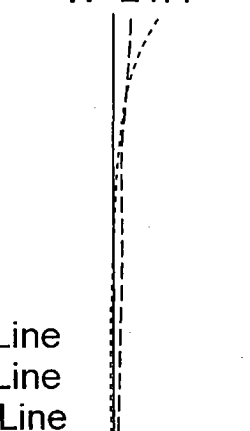


-0.1 0.1
SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 13B

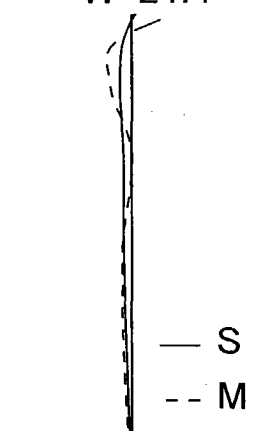
$W=21.4^\circ$



-0.01 0.01
LATERAL
CHROMATIC
ABERRATION

Fig. 13C

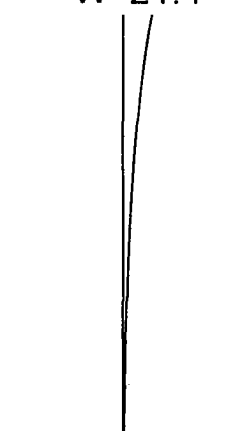
$W=21.4^\circ$



-0.1 0.1
ASTIGMATISM

Fig. 13D

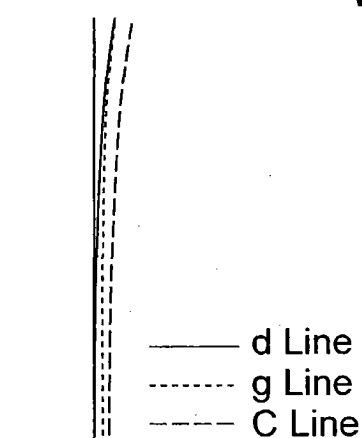
$W=21.4^\circ$



-5 (%) 5
DISTORTION

Fig. 14A

$F_{NO.}=1:3.6$

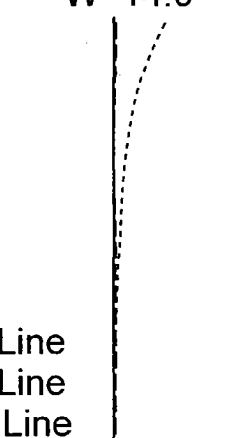


-0.1 0.1
SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 14B

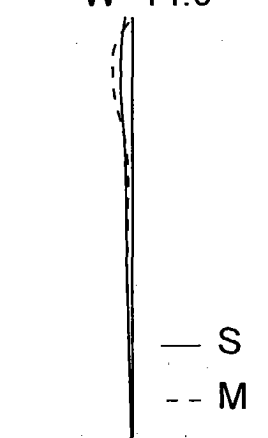
$W=14.0^\circ$



-0.01 0.01
LATERAL
CHROMATIC
ABERRATION

Fig. 14C

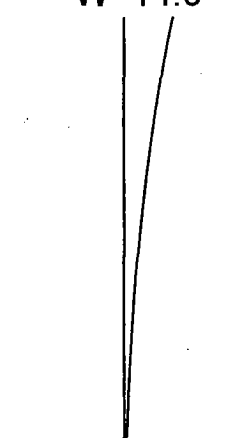
$W=14.0^\circ$



-0.1 0.1
ASTIGMATISM

Fig. 14D

$W=14.0^\circ$



-5 (%) 5
DISTORTION

Fig. 15A

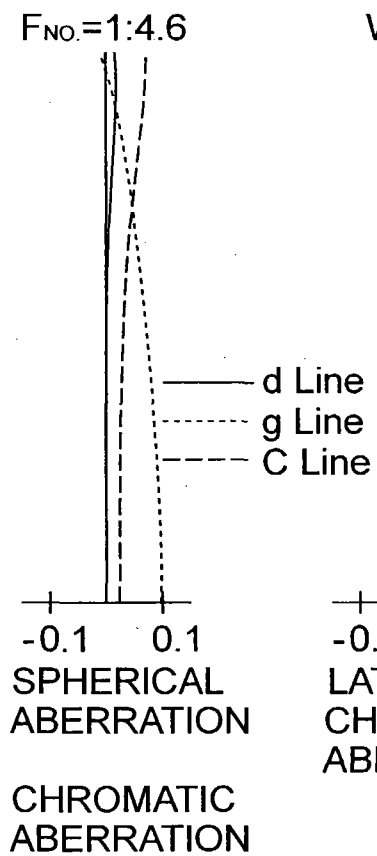


Fig. 15B

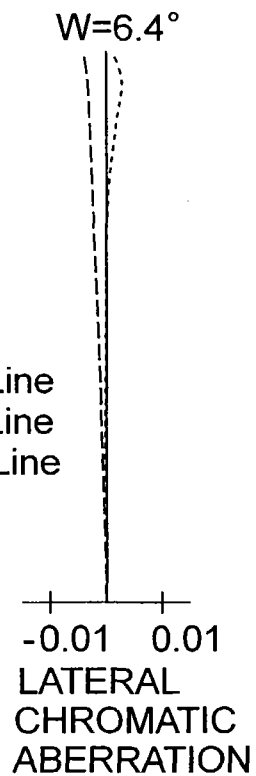


Fig. 15C

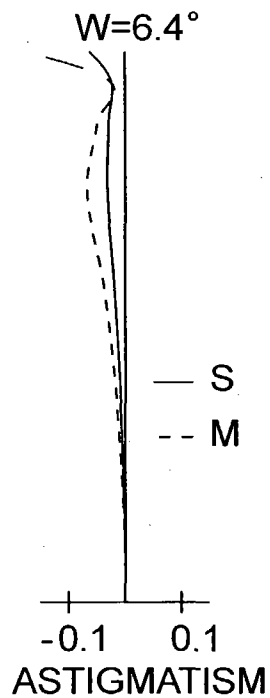


Fig. 15D

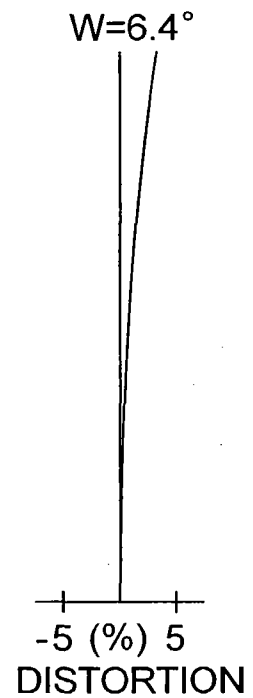


Fig. 16

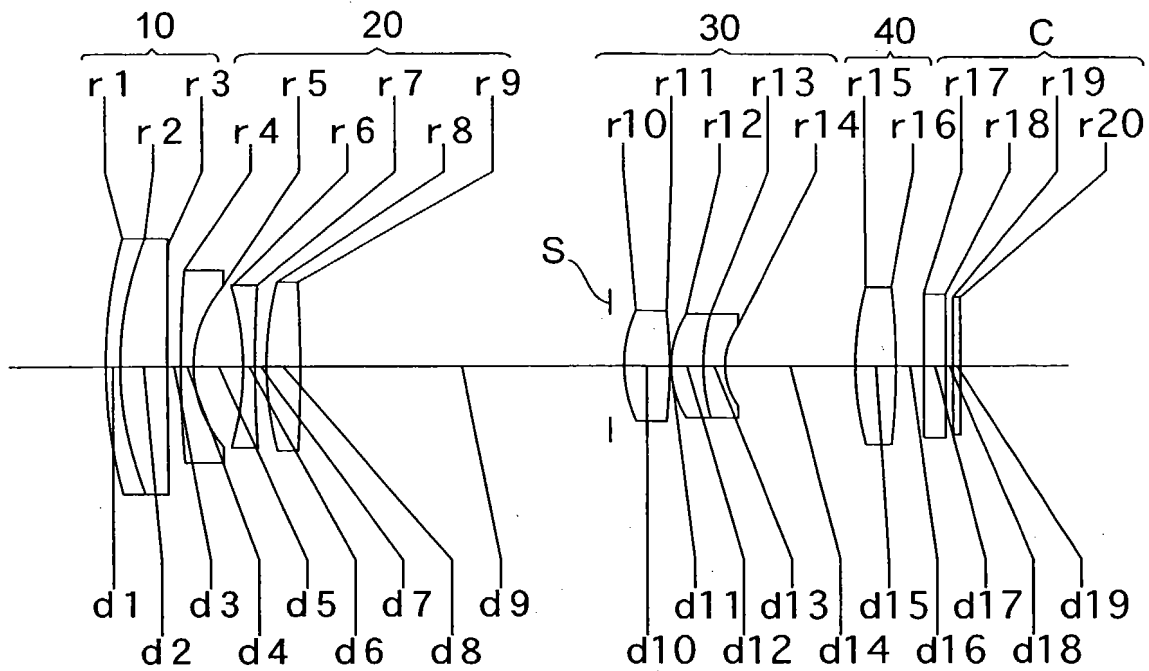


Fig. 17A

$F_{No.}=1:2.8$

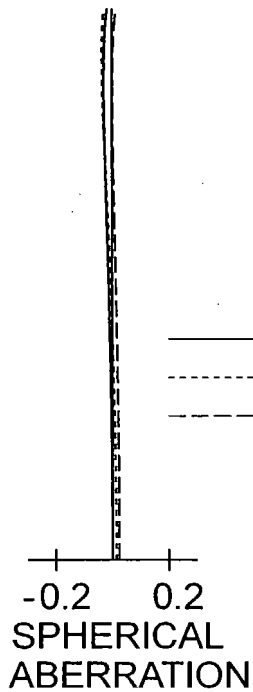


Fig. 17B

$W=31.8^\circ$

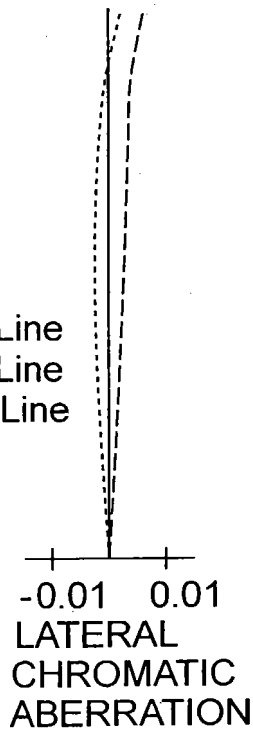


Fig. 17C

$W=31.8^\circ$

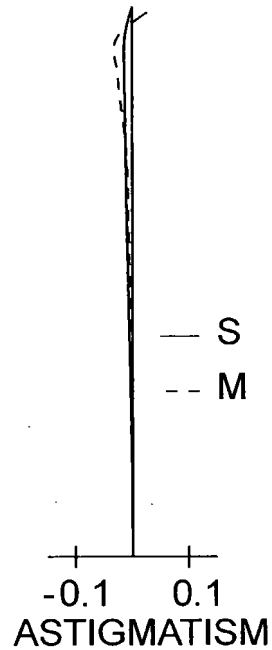


Fig. 17D

$W=31.8^\circ$

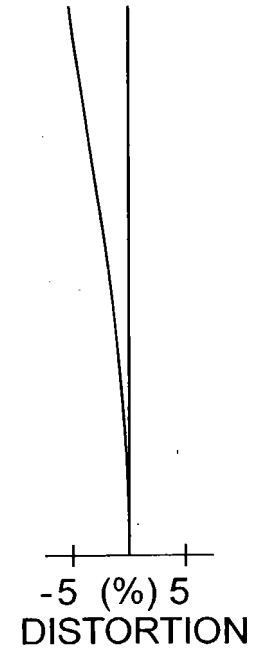


Fig. 18A

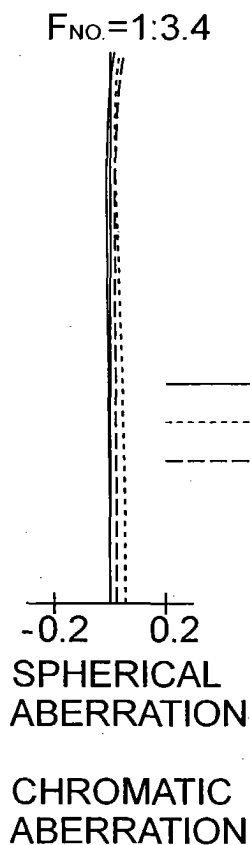


Fig. 18B

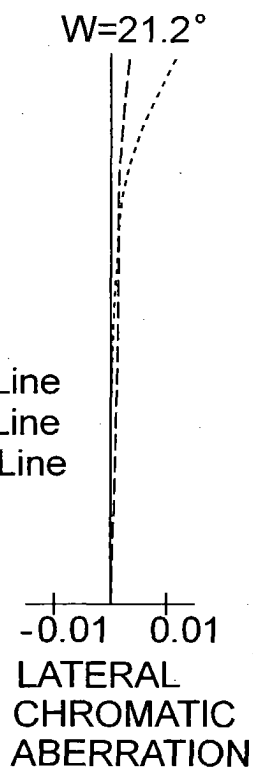


Fig. 18C

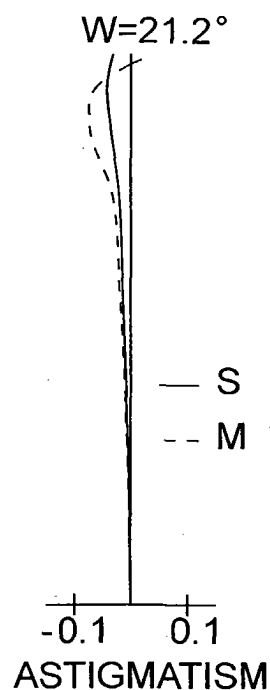


Fig. 18D

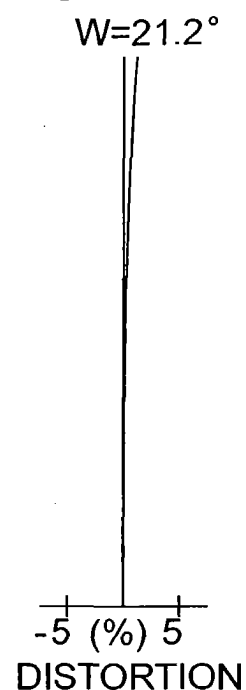


Fig. 19A

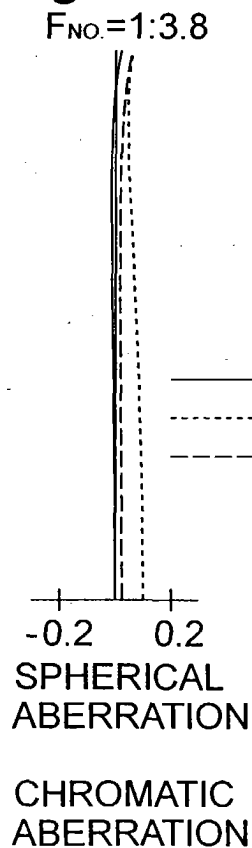


Fig. 19B

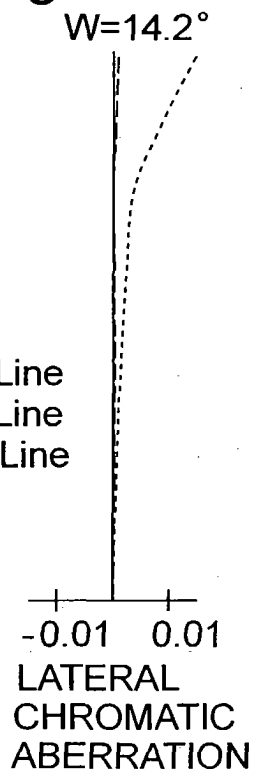


Fig. 19C

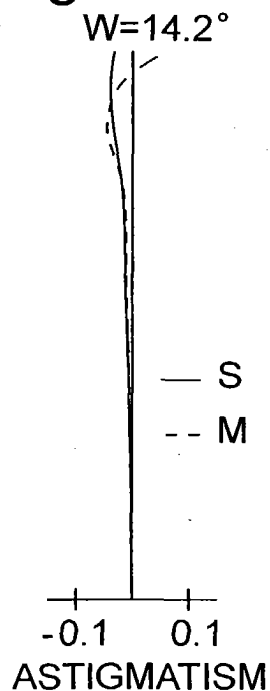


Fig. 19D

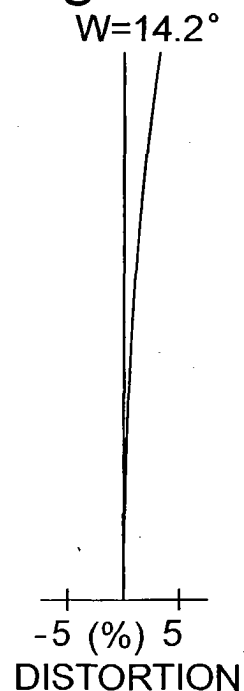


Fig. 20A

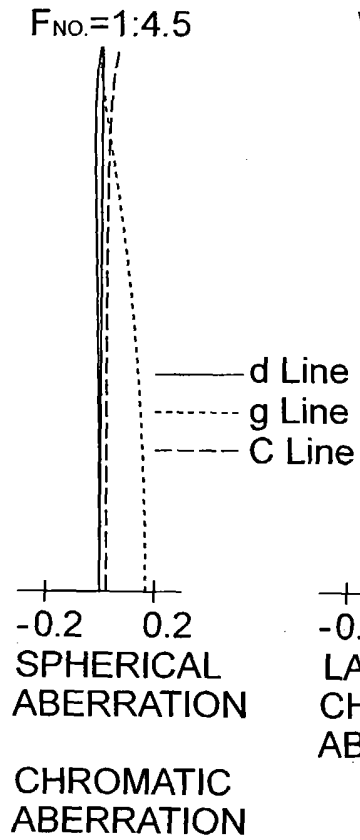


Fig. 20B

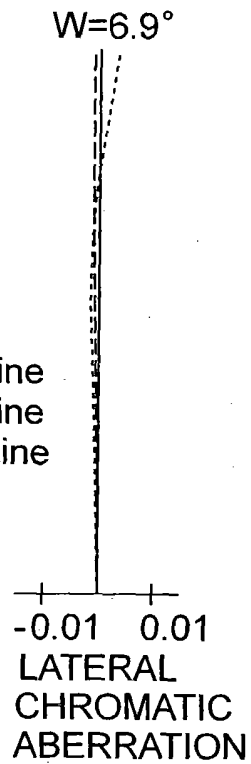


Fig. 20C

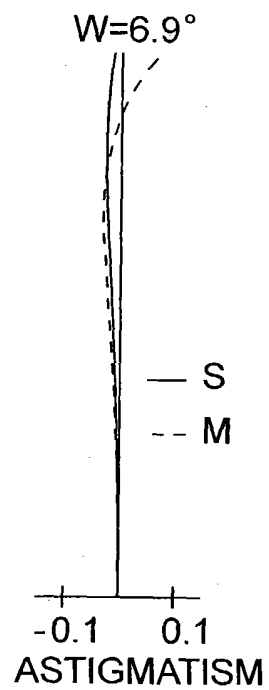


Fig. 20D

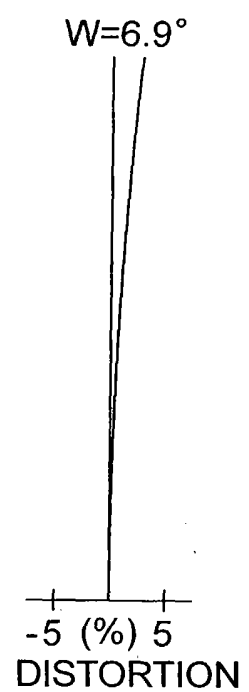


Fig. 21

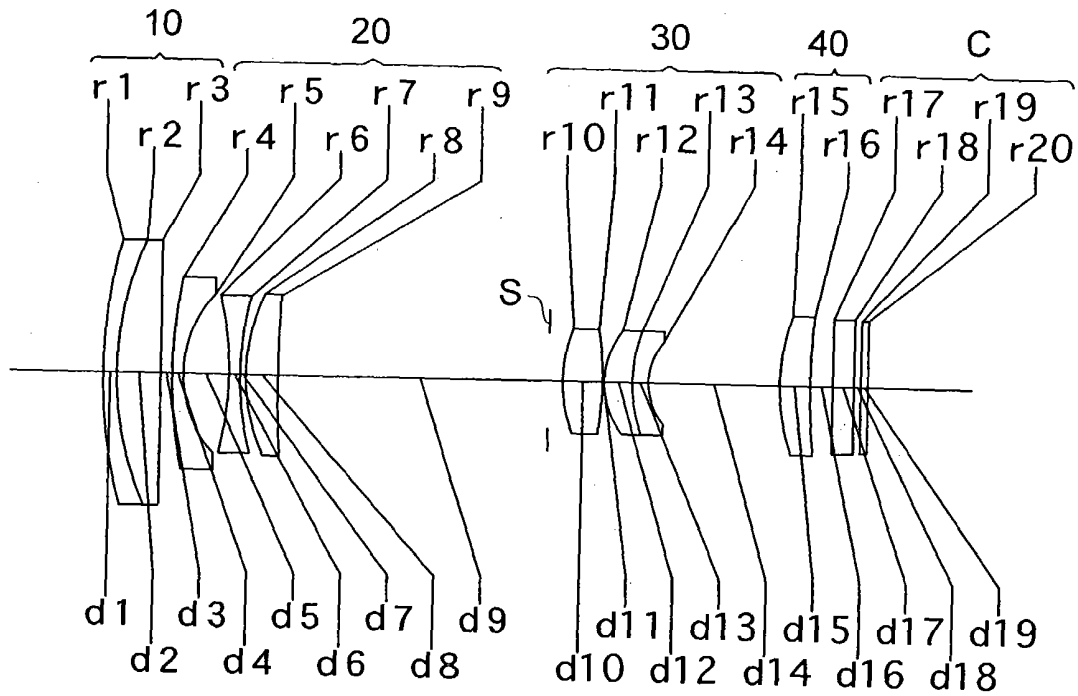
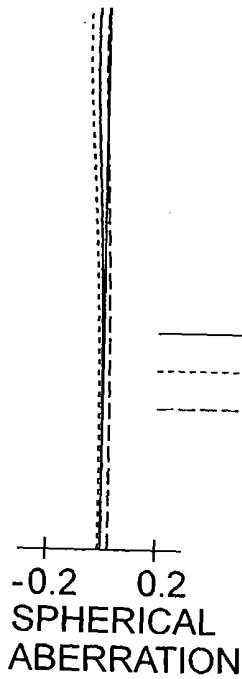


Fig. 22A

$F_{No.}=1:2.8$



CHROMATIC
ABERRATION

Fig. 22B

$W=31.7^\circ$

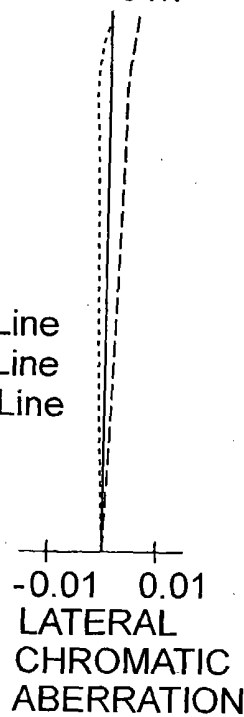


Fig. 22C

$W=31.7^\circ$

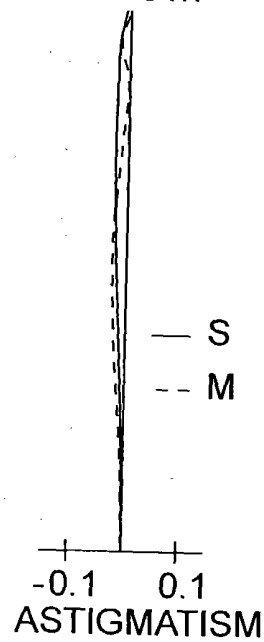


Fig. 22D

$W=31.7^\circ$

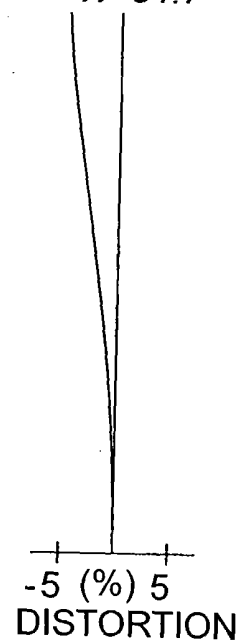


Fig. 23A

$F_{No.}=1:3.2$

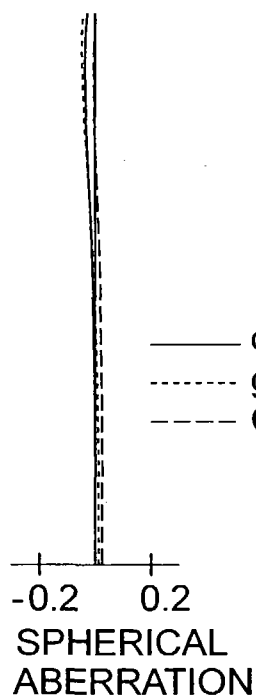


Fig. 23B

$W=20.9^\circ$

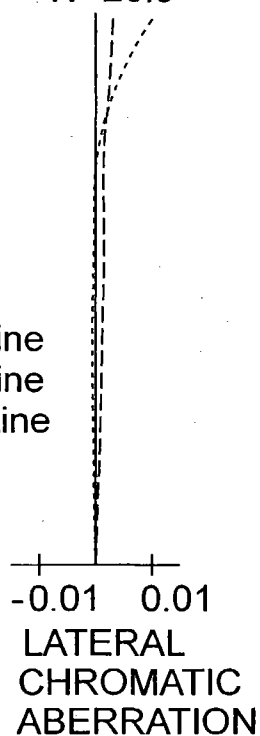


Fig. 23C

$W=20.9^\circ$

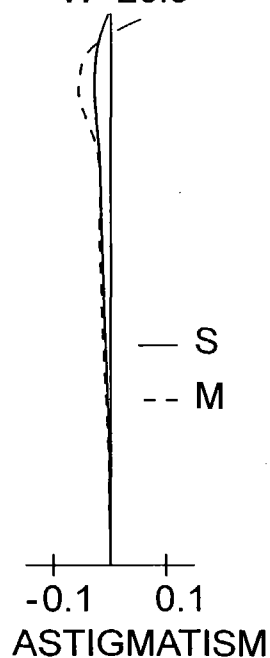


Fig. 23D

$W=20.9^\circ$

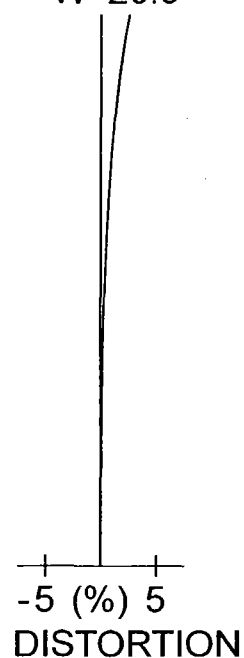


Fig. 24A

$F_{No.}=1:3.6$

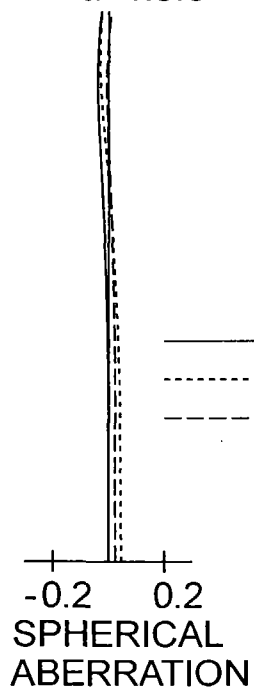


Fig. 24B

$W=14.1^\circ$

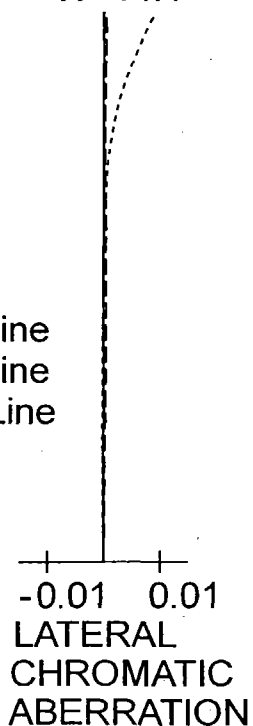


Fig. 24C

$W=14.1^\circ$

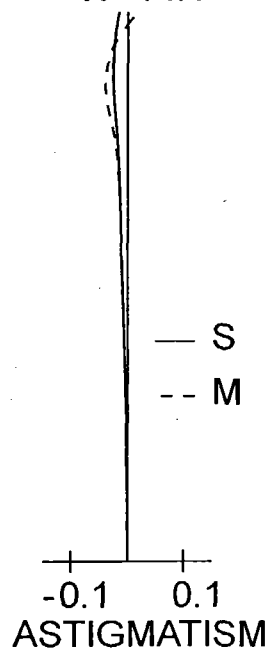


Fig. 24D

$W=14.1^\circ$

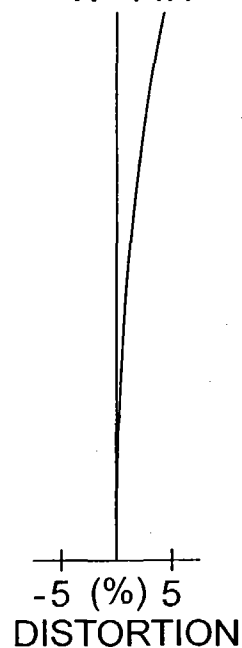


Fig. 25A

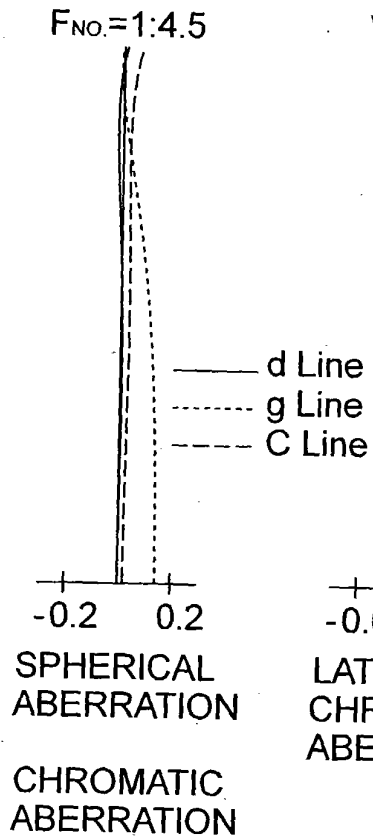


Fig. 25B

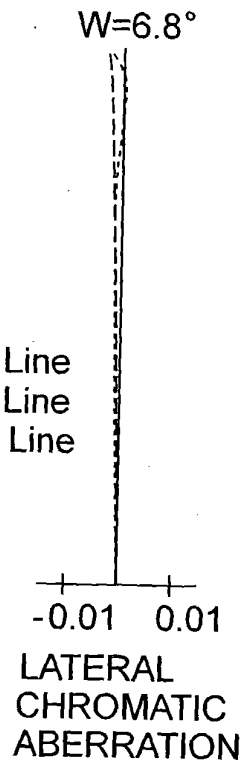


Fig. 25C

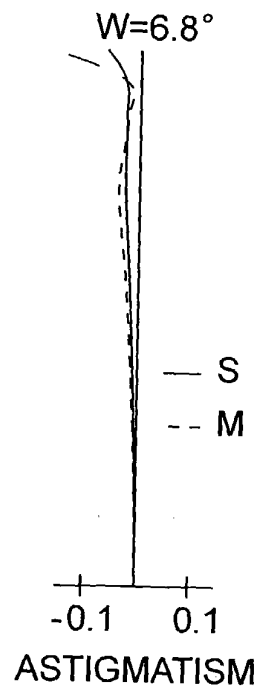


Fig. 25D

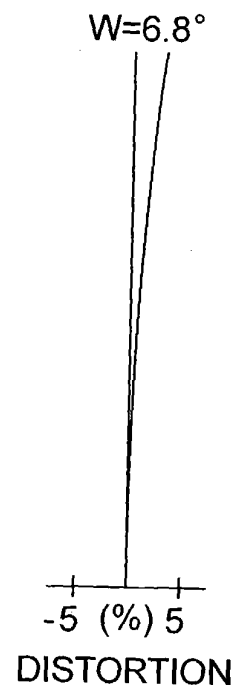


Fig. 26

